

ADP (EURFNR 842) MEASUREMENT OF NEUTRON
SPECTRA WITHIN THE 1 eV TO 10 keV ENERGY RANGE BY
MEANS OF THE SANDWICH TECHNIQUE. Mueller, M. (Kern-
forschungszentrum, Karlsruhe (West Germany), Institut fuer
Angewandte Reaktorphysik). Translation of report KFK-1233,
112p. Dep. NTIS.
Work performed under United States-Euratom Fast Reactor
Exchange Program.

reactor physics; translations 18K

MN-80 1P NSA

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/// C 4 (EURFNR-007) : DESIGN, IRRADIATION, AND TESTING
OF UO_2 FUEL PINS IN THE FR-2 CAPSULE TEST GROUP 3. ⁶
Gelthoff, D.; Freund, D.; Kummerer, K. ⁷(Kernforschungszentrum,
Karlsruhe (West Germany). Institut fuer Material- und Festkoer-
perforschung). ¹⁰Translation of report ¹¹KFK-1239. ¹⁰278p. ²⁴Dep.
NTIS.

²⁵Work performed under United States-Euratom Fast Reactor Ex-
change Program.

²⁶reactor fuel; translations ²⁷18J

²⁸MN-80 ²⁹P NSA

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REC-4 (LIB/Trans-346) CHANGE IN THE THERMAL CONDUCTIVITY IN AN OXIDE FUEL DURING BURNUP. Kleykamp, H. (Kernforschungszentrum, Karlsruhe (West Germany). Institut fuer Material- und Festkoerperforschung). Translated by I. A. Mumme (Australian Atomic Energy Commission Research Establishment, Lucas Heights), from report KFK-1245. 2010p. 24Dep. NTIS (U. S. Sales Only).

20ceramics; reactor fuels; translations 2711B, 18J

28MN-25 29NP NSA

At C. 4 (EURFNR-852) 5TRACE DETERMINATION IN NU-
CLEAR FUELS BY EMISSION SPECTROSCOPY. 6Maluka, E.;
Mueller, H. G. 7(Kernforschungszentrum, Karlsruhe (West Ger-
many). Institut fuer Radiochemie). 10Translation of report 11KFK-
1261. 2037p. 24Dep. NTIS.
25Work performed under United States-Euratom Fast Reactor Ex-
change Program.

26chemistry (analytical); translations 2707

28MN-4 29P NSA

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File 4(EURFNR-867) 5FAST BREEDER PROJECT. Third
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report 9KFK-1270/3. 10168p. 11(EUR-4571). 12Dep. NTIS.
13Work Performed under United States-Euratom Fast Reactor
Exchange Program.

14Chemistry (analytical); progress reports; radiation effects;
reactor engineering; reactor fuels; reactor materials 1507, 18I,
18J

16MN-80 17P NSA

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file. ⁴(EURFNR-853) ⁵IN-PILE EQUIPMENT FOR STRAIN
MEASUREMENTS ON NUCLEAR FUELS AND STRUCTURAL
MATERIALS. ⁶Will, H. ⁷(Kernforschungszentrum, Karlsruhe
(West Germany). Institut fuer Reaktorentwicklung). ¹⁰Translation
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²⁵Work Performed under United States-Euratom Fast Reactor
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²⁶reactor engineering; reactor fuels ²⁷18I, 18J

²⁸MN-80 ²⁹P NSA

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117 C (EURFNU-864) 1STUDIES ON WEAR AND FRICTIONAL
BEHAVIOR BETWEEN FUEL ROD BUNDLES AND SPACER GRIDS
IN SODIUM. 6Kleefeldt, K. 7(Kernforschungszentrum, Karlsruhe
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25Work Performed under United States-Euratom Fast Reactor
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26reactor engineering; reactor fuels 2718I, 18J
28MN-80 29P NSA

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1) 2) 3) 4) (EURFNR-850) 5) SEPARATION OF VANADIUM ON
6) UO_2 SPHERES FROM THE GASEOUS PHASE. 7) Schneider, H.;
8) Schoenwald, D. 9) (Kernforschungszentrum, Karlsruhe (West
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11) Translation of 12) KFK-1292. 13) 21p. 14) Dep. NTIS.
15) Work Performed under United States-Euratom Fast Reactor
16) Exchange Program.

17) chemistry (physical); reactor materials 18) 07D, 18J

19) MN-25 20) P NSA

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ORNL-4483 (ORNL-4483) PHASE EQUILIBRIA IN THE SYSTEMS
ThO₂-AlO/sub 2x/, CeO₂-AlO/sub 2x/, AND NpO₂-AlO/sub 2x/.
Paul, Robert (Kornforschungszentrum, Karlsruhe (West Ger-
many). Institut fuer Radiochemie). Translated for Oak Ridge
National LAB, Tenn., from report KFK-1297. 64p. Dep.
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ceramics; translations 11B

MN-25 P NSA

1111 (EURFNR-911) LONG-TIME CORROSION STUDIES
ON AUSTENITIC CRNi STEELS AND NICKEL-BASE ALLOYS IN
SUPERHEATED STEAM (620°/1 atm), WITH SPECIAL ATTEN-
TION TO THE BEHAVIOR OF COLD-WORKED MATERIAL SUR-
FACES. 1Loistrow, S.; Burg, H. v.; Pott, E. 1(Kernforschungs-
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2084p. 22(In English and German). 24Dep. NTIS.
25Work performed under United States-Euratom Fast Reactor Ex-
change Program.

26CORROSION; reactor materials; translations 2711F, 18J

28MN-25 29P NSA

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(111) (EURFNI-025) SUPERHEATED STEAM LOOP FOR
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H. L.; Hain, K.; Kramer, W.; Walbel, E.; Zimmermann, A. I
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28 Work performed under United States-Euratom Fast Reactor
Exchange Program.

28 reactor engineering 27 181

28 MN-80 28 P NSA

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Uncl ~~th~~ (EURFNR-897) EXPERIMENTAL STUDY OF
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10) meteorology; translations 11) 04B

12) MN-53 13) NP NSA

File (EURFNR-903) STUDY OF NATURAL FREQUENCIES,
NORMAL AND EXPANSION MODES AS WELL AS DAMPING OF FUEL
PINS OF INSTRUMENTED SUBASSEMBLY MOCK-UP OF FAST
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reactor engineering; reactor fuel 18I, 18J

MN-80 P NSA

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1110 (EURFNR-044) APPROXIMATION OF THE STEADY-
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FUSION EQUATION BY A SYNTHESIS METHOD WITH THE
KARLSRUHE SYNTHESIS PROGRAM KASY. Buckel, G. (Kern-
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26 reactor physics; translations 27 18K

28 MN-80 29 P NSA

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1110 (LA-tr-72-13) 6 TREATMENT OF THE SPACE DE-
PENDENCE OF ENERGY RESONANCE SELF-SHIELDING AT
BOUNDARIES OF HOMOGENEOUS ZONES IN REACTORS. 6
Huschke, H. (Kernforschungszentrum, Karlsruhe (West Ger-
many). Institut fuer Neutronenphysik und Reaktortechnik). 10
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20 reactor physics; translations 27 18K

28 MN-80 29 P NSA

1100 4(EURFNR 026) 1FEASIBILITY STUDY ON THE FR-3
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25Work performed under United States-Euratom Fast Reactor Ex-
change Program.

26methods and equipment; reactor cooling; reactor engineering;
reactor physics; reactors--research 2714, 18I, 18K, 18M

28MN-80 29P NSA

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1117 (EURFNR-037) 1 SPREAD OF LOCAL DISTURBANCES
IN THE CORE OF SODIUM-COOLED FAST BREEDERS AND ITS
IMPORTANCE FOR REACTOR SAFETY. 1 Gast, K. 1 (Kernfor-
schungszentrum, Karlsruhe (West Germany). Institut fuer Reak-
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21 reactor cooling; reactor safety 21 181

21 MN-80 21 P NSA

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1 (EURFNR-927) 2 THE DTK ONE-DIMENSIONAL TRANS-
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tronenphysik und Reaktortechnik). 5 Translation of report 6 KFK-
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11 computers; reactor physics; translations 12 09B, 18K

13 MN-32 14 P NSA

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FIG C 4(EURFNR-924) 5MODIFICATION OF THE DESIGN OF
INTERMEDIATE HEAT EXCHANGERS FOR SODIUM-COOLED
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26reactor cooling; reactor engineering; reactor materials; translations
2718I, 18J

28MN-80 29P NSA

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1 (EURFNR-939) 2 CLOSED GAS TURBINE CIRCUIT FOR
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10 Work Performed under United States-Euratom Fast Reactor
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11 reactor engineering; reactors-power 12 18I, 18L

13 MN-80 14 P NSA

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111 (LHV/Trans-411) SEPARATION COSTS OF ^{235}U -
ENRICHMENT IN INDUSTRIAL SEPARATION NOZZLE CASCADES.
Schuette, R. (Kernforschungszentrum, Karlsruhe (West Ger-
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26 isotopes; translations 27 18D

28 MN-22 29 NP NSA

11 C. 4(BNWL-tr-68) 5 DEFECT PRODUCTION RATES AND
DISPLACEMENT CROSS SECTIONS IN METALS AND ALLOYS
UNDER IRRADIATION IN REACTORS AND ACCELERATORS.
6 Ehrlich, K.; Kaloff, D.; Schneider, W. 7 (Kernforschungszentrum,
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26 physics (solid-state); radiation effects; translations 27 20L

28 MN-34 29 P NSA

111 C-4 (LIB/Trans-408) 1DEPENDENCE OF THE SEPARA-
TION COSTS OF A SEPARATION NOZZLE FOR ²³⁵U ENRICH-
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Energy Commission, from report 11KFK-1439. 2021p. 24Dep. NTIS
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26engineering; isotopes; reactor fuels; translations 2713, 18B, 18J

28MN-23 29NP NSA

111 (LIB/Trans-420) FLOW PATTERN INVESTIGATION
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28 isotopes; translations 27 18D

28 MN-22 29 NP NSA

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28Work performed under United States-Euratom Fast Reactor
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28reactor fuel; translations 2118J

28MN-80 29P NSA

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28Work performed under United States-Euratom Fast Reactor Ex-
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26Instrumentation; translations 2718D

26MN-37 28P NSA

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26reactor fuel; translations 2718J

28MN-25 29P NSA

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Instrumentation; translations 18D

MN-37 P NSA

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S. ⁷(Kernforschungszentrum, Karlsruhe (West Germany), In-
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²⁵Work Performed under United States-Euratom Fast Reactor
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²⁶corrosion; reactor materials ²⁷11F, 18J

²⁸MN-25 ²⁹D NSA

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28 Work performed under United States-Euratom Fast Reactor Ex-
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28 reactor materials; translations 27 18J

28 MN-80 29 P NSA

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26 heat transfer; reactor cooling 27 20M, 18I

28 MN-80 29 P NSA

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AFB (ORNL-tr-2629) AGE-DEPENDENT INGESTION
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health and safety; translations 06R

MN-41 P NSA

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²⁶chemistry (radio- and radiation); translations ²⁷07E

²⁸MN-4 ²⁹P NSA

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SODIUM INTERACTION. 2Kessler, G. 3(Kernforschungszentrum,
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20reactor fuel; reactor safety; translations 2118J, 181

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MN-34 P NSA

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methods and equipment; reactor fuels; translations 14, 18J,

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28MN-80 29P NSA

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20 nuclear power plants 27 18E

28 MN-80 29 P NSA

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